



#4 1645

PATENT

Attorney Docket No.: 13292-00048

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Fox et al..

Serial No.: 09/7816,785

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Group Art Unit: 1645

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Filed: March 22, 2001

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For: Reversibility Immortalized Hepatocytes  
and Methods of Use

<p style="text-align: center;"><b>CERTIFICATE OF MAILING</b> <b>UNDER 37 C.F.R. 1.8(a)</b></p> <p>I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.</p> <p>BY <u><i>August P. Schubert</i></u></p> <p>DATE: <u>7/31/01</u></p>
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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- (X) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or



before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

(X) Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1089. This form is submitted in duplicate.

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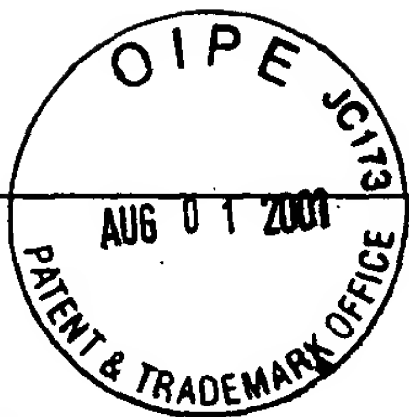
**Form PTO-1449 Modified**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)U.S. Department of Commerce  
Patent and Trademark OfficeClient Matter No.  
13292.00048Serial No.  
09/816,785Applicant  
Fox et al.Filing Date  
March 22, 2001Group  
1645**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
		5,952,544	9/14/1999	Browse et al.		
		5,629,159	5/13/1997	Anderson		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	AA	WO 97/32972	12 Sep 1997	WO		
	AB					

**EXAMINER****DATE CONSIDERED**



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Docket No. <b>13292-00048</b>	Serial No. <b>09/816,785</b>
	Applicant <b>Fox et al.</b>	
U.S. Department of Commerce Patent and Trademark Office	Filing Date <b>March 22, 2001</b>	Group <b>1645</b>

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AA	Arkadopoulos et al., "Intrasplenic Transplantation of Allogeneic Hepatocytes Prolongs Survival in Anhepatic Rats", <i>Hepatology</i> , November 1998, pps.1365-1370
AB	Cai et al., "Identification of <i>Dep-1</i> , a New Gene Regulated by the Transcription of Factor Pax-3, as a Marker for Altered Embryonic Gene Expression During Diabetic Pregnancy, <i>Diabetes</i> , Vol. 47, November 1998, pps. 1803-1806
AC	Chowdhury et al., "Human Hepatocyte Transplantation: Gene Therapy and More?, " <i>Pediatrics</i> , Vol. 102, No. 3, September 1998, pps. 647-648
AD	Demetriou et al., "Replacement of Liver Function in Rats by Transplantation of Microcarrier-Attached Hepatocytes", <i>Science</i> , Vol. 233, September 2, 1986, pps. 1190-1192
AE	Fox et al., "Conditional Immobilization of Gunn Rat Hepatocytes: An <i>Ex Vivo</i> for Evaluating Methods for Bilirubin-UDP-Glucuronosyltransferase Gene Transfer", <i>Hepatology</i> , March 1995, pps. 837-846
AF	Fox et al., " Treatment of the Crigler-Najjar Syndrome Type I with Hepatocyte Transplantation", <i>The New England Journal of Medicine</i> , Vol. 338: 1422-1427, May 14, 1998, No. 20
AG	Gebhardt et al., "Induction of Glutamine Synthetase and Transient Co-expression with Carbamoylphosphate Synthetase in Hepatocytes Transplanted into Fat Pads of Syngeneic Hosts", <i>Histochemistry</i> , (1989), 92:337-342
AH	Gossen et al., "Transcriptional Activation by Tetracyclines in Mammalian Cells", <i>Science</i> , Vol. 268, June 23, 1995, pps. 1767-1769

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		<b>Applicant</b> Fox et al.	
U.S. Department of Commerce Patent and Trademark Office		<b>Filing Date</b> March 22, 2001	<b>Group</b> 1645
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AI</b>	Kawashita et al., Journal Article June 10, 1999	
	<b>AJ</b>	Nakamura et al., "Treatment of Surgically Induced Acute Liver Failure by Transplantation of Conditionally Immortalized Hepatocytes", <i>Transplantation</i> , Vol. 63, 1541-1547, No. 11, June 15, 1997	
	<b>AK</b>	Pawliuk et al., "Long-Term Cure of the Photosensitivity of Murine Erythropoietic Protoporphyrin by Preselective Gene Therapy", <i>Nature Medicine</i> , Vol. 5, No. 7, July 1999, pps 768-773	
	<b>AL</b>	Schipper et al., "Immortalized Human Hepatocytes as a Tool for the Study of Hepatocytic (de-)differentiation", <i>Cell Biology and Toxicology</i> , 1997:13, 375-386	
	<b>AM</b>	Schumacher et al., "Transplantation of Conditionally Immortalized Hepatocytes to Treat Hepatic Encephalopathy", <i>Hepatology</i> , Vol. 24, No. 2, 1996, pps. 337-343	
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	<b>AO</b>	Westerman et al., "Reversible Immortalization of Mammalian Cells Mediated by Retroviral Transfer and Site-Specific Recombination", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93, pps. 8971-8976, August 1996	
	<b>AP</b>	Strom et al., "Hepatocyte Transplantation as a Bridge to Orthotopic Liver Transplantation in Terminal Liver Failure", <i>Transplantation</i> , Vol. 63, 559-569, No. 4, February 27, 1997	
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